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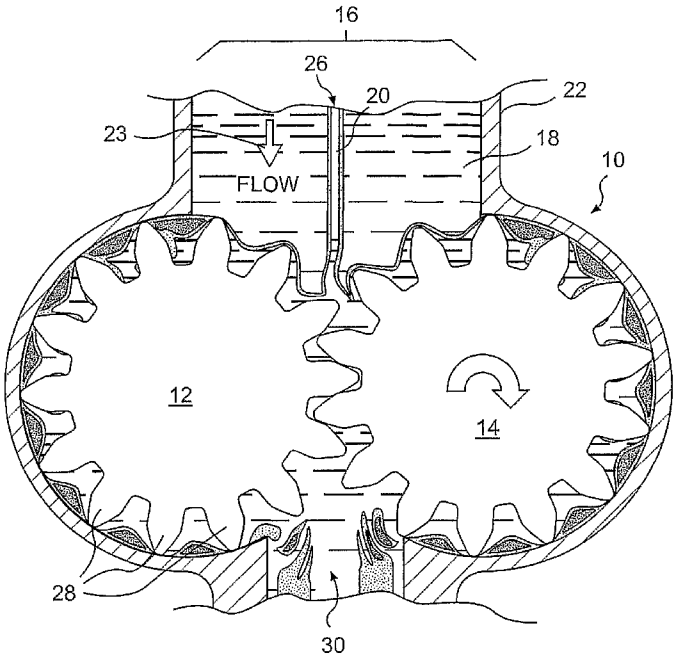
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPUTATIONAL FLOW DYNAMICS INVESTIGATION OF MIXING WITHIN AN INDUSTRIAL-SCALE GEAR PUMP



(57) Abstract: A method of mixing fluids includes providing a flow stream of a first fluid, providing a flow stream of second fluid, and providing a gear pump having an inlet and an outlet. The flow stream of the first fluid and the second fluid is fed through the inlet of the gear pump. The gear pump is operated to mix the flow stream of the first fluid and the second fluid to obtain a mixed fluid flow stream out of the outlet of the gear pump.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US06/18672

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - B01F 7/00 (2007.01)
USPC - 366/272
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC(8) - B01F 7/00 (2007.01)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

MicroPatent, IP.com, DialogPro, Google Patent, Google Scholar
Search Terms: fluid, gear pump, mix, mixing, COV, variation

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,790,454 A (CLARK et al) 13 December 1988 (13.12.1988) entire document	1-2, 4-5, 9-10
Y		3, 6-8, 11-21
Y	US 6,601,987 B2 (FINDER et al) 05 August 2003 (05.08.2003) entire document	3, 6-7, 11-18, 20-21
Y	US 4,702,931 A (FALCOFF) 27 October 1987 (27.10.1987) entire document	8, 19

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Date of the actual completion of the international search	Date of mailing of the international search report
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